

Translation

PATENT COOPERATION TREATY

PCT/DE2003/002604



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference KW-427-02-PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DE2003/002604	International filing date (<i>day/month/year</i>) 02 August 2003 (02.08.2003)	Priority date (<i>day/month/year</i>) 13 August 2002 (13.08.2002)
International Patent Classification (IPC) or national classification and IPC B23D 37/00, B23D37/00		
Applicant KENNAMETAL WIDIA GMBH & CO. KG		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 5 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 10 January 2004 (10.01.2004)	Date of completion of this report 15 April 2004 (15.04.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages 1, 4-9, as originally filed
 pages _____, filed with the demand
 pages 2, 3, filed with the letter of 10 January 2004 (10.01.2004)
- ☒ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages 1-13, filed with the letter of 10 January 2004 (10.01.2004)
- ☒ the drawings:
 pages 1/6-6/6, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

- These elements were available or furnished to this Authority in the following language _____ which is:
- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☒ the claims, Nos. 14
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-13	YES
	Claims		NO
Inventive step (IS)	Claims	1-13	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-13	YES
	Claims		NO

2. Citations and explanations

1.1. Document **DE-A-10027945**, which is regarded as the closest prior art, discloses a **disk-shaped tool** for cutting profiles on a workpiece, comprising a plurality of cutting inserts that are mounted radially on the periphery and on the edge of a tool holder, from which the subject matter of **claim 1** differs in that at least one cutting insert is secured to a cassette-like support that is angled in two places and which can be axially and/or radially adjusted by means of an adjustment wedge.

1.2. The present invention can be considered to address the problem of achieving **axial or radial adjustment** of the cutting inserts whilst at the same time **producing a small degree of flexibility**.

2.1. Document **US-A-5120166**, which discloses a **disk-shaped tool** with cutting inserts which are secured to cassette-like supports that **can be axially or radially adjusted** by means of an adjustment wedge, does not describe flexible securement.

2.2. Neither the above-mentioned documents nor any other prior art document discloses the combination of an

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axially or radially adjustable support with a small degree of flexibility. Consequently, the features of claim 1 meet the requirements of PCT Article 33(2) and (3) in respect of novelty and inventive step.

2.3. Claims 2 to 13 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.